

AMENDMENTS TO THE SPECIFICATION

Page 21, please amend paragraph [0074] of the application as filed (which corresponds to paragraph [0084] in the present patent application as published) as follows:

[0074] Synchronization of multiple-molecule polymer reactions is another unsolved problem. For example in exonuclease DNA sequencing, also called direction DNA sequencing, individual DNA molecules bind to an exonuclease with different rates due to their un-controlled conformation. The difference in initial binding rate is amplified during step-wise nucleotides removal, as the nucleotide removal is faster than the initial binding (Wuite et al, Nature, 2000, 404, p 103-106). This rate difference makes it very difficult to detect the removed nucleotides. For example, among 100 copies of a nucleic acid molecule having a sequence 5'-ATCGATACGATCG, (SEQ ID NO: 1) at a particular timepoint during an exonuclease reaction, some copies of the nucleic acid molecule may be releasing the 3' terminal guanidine residue, while others may be releasing the penultimate 3' terminal cytidine residue.